

Ilocut™ 430

Multi-purpose neat cutting oil

Description

Castrol Ilocut™ 430 (previously called Castrol Universol Oil™ 430) is a chlorinated, heavy-metal free, multi-purpose neat cutting oil. Formulated from highly refined base oils, it can also be used as a slideway lubricant.

Application

Ilocut 430 is designed for general machining of ferrous as well as non-ferrous materials. It does not contain active sulphur and is hence compatible with yellow metals as well.

ü ü suggested core application ü possible application, please consult Castrol representative prior to use

	Cast Iron	Low-medium alloyed steel	High alloyed steel / nickel-chromium alloys	Titanium alloys	Aluminium alloys	Yellow metals
Honing/ Superfinishing						
Grinding						
Drilling	ü	ü ü	ü ü		ü	ü ü
Broaching/Gear manufacturing						
General machining	ü	ü ü	ü ü		ü	ü ü

Advantages

- Truly multipurpose – spent slideway lubricant can be used as a neat cutting oil thereby reducing overall cost
- Excellent detergency and dispersancy properties preventing residues or deposits on work piece
- Excellent wetting characteristics reduce drag out and result in lower product usage
- Good filtering characteristics and high oxidation stability increases product lifetime

Typical Characteristics

Name	Method	Unit	Ilocut 430
Appearance	Visual		Yellow - Amber
Viscosity @ 40°C	DIN 51562	mm ² /s	35
Density @ 15°C	DIN 51757 / ASTM D1298	kg/m ³	890
Flashpoint COC	ISO 2592	°C	>180
Copper corrosion 3 hr at 100°C	ISO 2160 / ASTM D130		1a

Subject to usual manufacturing tolerances.

Additional Information

	Ester	Active sulpher	Inactive sulpher	Phosphorous	Calcium	Chlorine	Zinc
Additives	ü		ü	ü	ü	ü	ü

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

This product was previously called Universal Oil 430. The name was changed in 2015.

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199 Oxford Road, Dunkeld, Johannesburg, 2196, South Africa
+27 11 488 5111, 0860 222 166 (SA), 0800 111 551 (SA)
www.castrol.co.za